



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov



Bib Data Sheet

CONFIRMATION NO. 1643

SERIAL NUMBER 10/657,444	FILING DATE 09/08/2003  RULE	CLASS 361	GROUP ART UNIT 2841	ATTORNEY DOCKET NO. CIS03-41(7924)
-----------------------------	---------------------------------------	--------------	------------------------	--

## APPLICANTS

James Cushman, San Jose, CA;

Sridevi Iyengar, San Jose, CA;

Hsing-Sheng Liang, San Jose, CA;

\*\* CONTINUING DATA \*\*\*\*\*

none (PT)

\*\* FOREIGN APPLICATIONS \*\*\*\*\*

none (DT)

IF REQUIRED, FOREIGN FILING LICENSE GRANTED

\*\* 01/06/2004

Foreign Priority claimed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	STATE OR COUNTRY CA	SHEETS DRAWING 7	TOTAL CLAIMS 23	INDEPENDENT CLAIMS 5
35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Met after Allowance	EXAMINER'S SIGNATURE <i>[Signature]</i>	INITIALS <i>8/11/05</i>		
Verified and Acknowledged				

## ADDRESS

David E. Huang, Esq.  
 CHAPIN & HUANG, L.L.C.  
 Westborough Office Park  
 1700 West Park Drive  
 Westborough, MA  
 01581

## TITLE

Methods and apparatus for directing an air stream through a circuit board assembly

FILING FEE  RECEIVED 972	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue )
-----------------------------------	---	--